

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>100936-1 WO</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/GB 03/05640</b>	International filing date (day/month/year) <b>22/12/2003</b>	(Earliest) Priority Date (day/month/year) <b>24/12/2002</b>
Applicant <b>ASTRAZENECA AB</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2.  Certain claims were found unsearchable (See Box I).

3.  Unity of Invention is lacking (see Box II).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

**THERAPEUTIC QUINAZOLINE DERIVATIVES**

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

None of the figures.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/03 03/05640

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07F9/6558 C07F9/6512 A61K31/675 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07F A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/21597 A (ASTRAZENECA AB) 29 March 2001 (2001-03-29) cited in the application the whole document -----	1-18
A	WO 01/21594 A (ASTRAZENECA AB) 29 March 2001 (2001-03-29) the whole document -----	1-18
A	WO 00/56720 A (PARKER HUGUES INSTITUTE) 28 September 2000 (2000-09-28) the whole document -----	1-18
P, A	WO 03/000288 A (ARIAD PHARMACEUTICALS, INC.) 3 January 2003 (2003-01-03) the whole document -----	1-18

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

15 March 2004

Date of mailing of the International search report

24/03/2004

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Beslier, L

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB 03/05640

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 16, 17 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/GB03/05640

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO 0121597	A 29-03-2001	AU 762697 B2		03-07-2003
		AU 7301900 A		24-04-2001
		BG 106526 A		31-10-2002
		BR 0014137 A		21-05-2002
		CA 2384296 A1		29-03-2001
		CN 1391563 T		15-01-2003
		CZ 20021008 A3		12-06-2002
		EE 200200118 A		15-04-2003
		EP 1218355 A1		03-07-2002
		WO 0121597 A1		29-03-2001
		HU 0300205 A2		28-05-2003
		JP 2003509500 T		11-03-2003
		NO 20021400 A		06-05-2002
		SK 3872002 A3		03-12-2002
		TR 200200717 T2		21-06-2002
		ZA 200202232 A		19-06-2003
WO 0121594	A 29-03-2001	AU 763242 B2		17-07-2003
		AU 7432500 A		24-04-2001
		BG 106491 A		29-12-2002
		BR 0014133 A		11-06-2002
		CA 2384282 A1		29-03-2001
		CN 1391561 T		15-01-2003
		CZ 20021010 A3		12-06-2002
		EE 200200149 A		15-04-2003
		EP 1218356 A1		03-07-2002
		WO 0121594 A1		29-03-2001
		HU 0204413 A2		28-05-2003
		JP 2003509497 T		11-03-2003
		NO 20021401 A		21-05-2002
		SK 3832002 A3		06-11-2002
		TR 200200749 T2		21-06-2002
		ZA 200201833 A		05-06-2003
WO 0056720	A 28-09-2000	US 6258820 B1		10-07-2001
		AU 4171900 A		09-10-2000
		CA 2367861 A1		28-09-2000
		EP 1163228 A1		19-12-2001
		JP 2002540103 T		26-11-2002
		NO 20014560 A		19-09-2001
		WO 0056720 A1		28-09-2000
		US 2004039002 A1		26-02-2004
		US 2001016588 A1		23-08-2001
		US 2002137757 A1		26-09-2002
WO 03000288	A 03-01-2003	WO 03000288 A1		03-01-2003
		US 2003064119 A1		03-04-2003